

# Refine Search

## Search Results -

Terms	Documents
L14 and (extract\$3 near (data or sentence) near similar\$5)	0

*1/25/05  
4-1-05*  
**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**






## Search History

**DATE:** Friday, April 01, 2005    [Printable Copy](#)    [Create Case](#)
**Set Name** Query  
 side by side

Hit Count Set Name  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L15</u>	L14 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L15</u>
<u>L14</u>	L13 and retriev\$3	17	<u>L14</u>
<u>L13</u>	L10 and (question same sentence same similar\$5)	18	<u>L13</u>
<u>L12</u>	L10 and (question same sentence same similar\$)	18	<u>L12</u>
<u>L11</u>	L10 and (question near sentence)	2	<u>L11</u>
<u>L10</u>	(L8 or L9) and L1	140	<u>L10</u>
<u>L9</u>	704/\$.ccls.	18586	<u>L9</u>
<u>L8</u>	707/\$.ccls.	25933	<u>L8</u>
<u>L7</u>	L6 and (categoriz\$6 or categoris\$6)	2	<u>L7</u>
<u>L6</u>	L1 and (question near sentence)	10	<u>L6</u>
<u>L5</u>	L4 and retriev\$3	23	<u>L5</u>
<u>L4</u>	L2 and (categoriz\$6 or categoris\$6)	30	<u>L4</u>
<u>L3</u>	L2 and (categoriz\$3 or categoris\$3)	26	<u>L3</u>
<u>L2</u>	L1 and (question same sentence)	89	<u>L2</u>

L1 topic same question same answer

690 L1

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
(L16 or L17) and L6	1

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**






### Search History

**DATE:** Friday, April 01, 2005 [Printable Copy](#) [Create Case](#)
**Set Name** **Query**

side by side

**Hit Count** **Set Name**

result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR*

<u>L18</u>	(L16 or L17) and L6	1	<u>L18</u>
<u>L17</u>	704/10.ccls.	321	<u>L17</u>
<u>L16</u>	704/9.ccls.	860	<u>L16</u>
<u>L15</u>	L14 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L15</u>
<u>L14</u>	L13 and retriev\$3	17	<u>L14</u>
<u>L13</u>	L10 and (question same sentence same similar\$5)	18	<u>L13</u>
<u>L12</u>	L10 and (question same sentence same similar\$)	18	<u>L12</u>
<u>L11</u>	L10 and (question near sentence)	2	<u>L11</u>
<u>L10</u>	(L8 or L9) and L1	140	<u>L10</u>
<u>L9</u>	704/\$.ccls.	18586	<u>L9</u>
<u>L8</u>	707/\$.ccls.	25933	<u>L8</u>
<u>L7</u>	L6 and (categoriz\$6 or categoris\$6)	2	<u>L7</u>
<u>L6</u>	L1 and (question near sentence)	10	<u>L6</u>
<u>L5</u>	L4 and retriev\$3	23	<u>L5</u>

<u>L4</u>	L2 and (categoriz\$6 or categoris\$6)	30	<u>L4</u>
<u>L3</u>	L2 and (categoriz\$3 or categoris\$3)	26	<u>L3</u>
<u>L2</u>	L1 and (question same sentence)	89	<u>L2</u>
<u>L1</u>	topic same question same answer	690	<u>L1</u>

END OF SEARCH HISTORY

# Refine Search

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## Search Results -

Terms	Documents
L21 not L18	1

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*1/27/05  
4-1-05*  
**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
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result set

<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L22</u> L21 not L18	1	<u>L22</u>
<u>L21</u> (L19 or L20) and (extract\$3 near (data or sentence) near similar\$5)	1	<u>L21</u>
<u>L20</u> "question sentence"	336	<u>L20</u>
<u>L19</u> "question sentence retrieval"	6	<u>L19</u>
<u>L18</u> (L16 or L17) and L6	1	<u>L18</u>
<u>L17</u> 704/10.ccls.	321	<u>L17</u>
<u>L16</u> 704/9.ccls.	860	<u>L16</u>
<u>L15</u> L14 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L15</u>
<u>L14</u> L13 and retriev\$3	17	<u>L14</u>
<u>L13</u> L10 and (question same sentence same similar\$5)	18	<u>L13</u>
<u>L12</u> L10 and (question same sentence same similar\$)	18	<u>L12</u>
<u>L11</u> L10 and (question near sentence)	2	<u>L11</u>
<u>L10</u> (L8 or L9) and L1	140	<u>L10</u>
<u>L9</u> 704/\$.ccls.	18586	<u>L9</u>

<u>L8</u>	707/\$.ccls.	25933	<u>L8</u>
<u>L7</u>	L6 and (categoriz\$6 or categoris\$6)	2	<u>L7</u>
<u>L6</u>	L1 and (question near sentence)	10	<u>L6</u>
<u>L5</u>	L4 and retriev\$3	23	<u>L5</u>
<u>L4</u>	L2 and (categoriz\$6 or categoris\$6)	30	<u>L4</u>
<u>L3</u>	L2 and (categoriz\$3 or categoris\$3)	26	<u>L3</u>
<u>L2</u>	L1 and (question same sentence)	89	<u>L2</u>
<u>L1</u>	topic same question same answer	690	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>
<a href="#">Generate OACS</a>				

Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20020147716 A1

**Using default format because multiple data bases are involved.**

L21: Entry 1 of 1

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147716

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147716 A1

TITLE: Retrieval apparatus, retrieval method and retrieval program

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Namba, Isao	Kawasaki		JP	

US-CL-CURRENT: 707/5

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMIC</a>	<a href="#">Drawn D</a>
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<a href="#">Clear</a>	<a href="#">Generate Collection</a>	<a href="#">Print</a>	<a href="#">Fwd Refs</a>	<a href="#">Bkwd Refs</a>	<a href="#">Generate OACS</a>
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Terms	Documents
(L19 or L20) and (extract\$3 near (data or sentence) near similar\$5)	1

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# Refine Search

## Search Results -

Terms	Documents
L24 and (extract\$3 near (data or sentence) near similar\$5)	0

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Database:****Search:**

L25

**Refine Search****Recall Text****Clear****Interrupt**


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## Search History

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**Set Name** Query  
 side by side

**Hit Count** Set Name  
 result set

<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L25</u> L24 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L25</u>
<u>L24</u> L23 and L2	10	<u>L24</u>
<u>L23</u> 715/\$.ccls.	20969	<u>L23</u>
<u>L22</u> L21 not L18	1	<u>L22</u>
<u>L21</u> (L19 or L20) and (extract\$3 near (data or sentence) near similar\$5)	1	<u>L21</u>
<u>L20</u> "question sentence"	336	<u>L20</u>
<u>L19</u> "question sentence retrieval"	6	<u>L19</u>
<u>L18</u> (L16 or L17) and L6	1	<u>L18</u>
<u>L17</u> 704/10.cccls.	321	<u>L17</u>
<u>L16</u> 704/9.cccls.	860	<u>L16</u>
<u>L15</u> L14 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L15</u>
<u>L14</u> L13 and retriev\$3	17	<u>L14</u>
<u>L13</u> L10 and (question same sentence same similar\$5)	18	<u>L13</u>
<u>L12</u> L10 and (question same sentence same similar\$)	18	<u>L12</u>

<u>L11</u>	L10 and (question near sentence)	2	<u>L11</u>
<u>L10</u>	(L8 or L9) and L1	140	<u>L10</u>
<u>L9</u>	704/\$.ccls.	18586	<u>L9</u>
<u>L8</u>	707/\$.ccls.	25933	<u>L8</u>
<u>L7</u>	L6 and (categoriz\$6 or categoris\$6)	2	<u>L7</u>
<u>L6</u>	L1 and (question near sentence)	10	<u>L6</u>
<u>L5</u>	L4 and retriev\$3	23	<u>L5</u>
<u>L4</u>	L2 and (categoriz\$6 or categoris\$6)	30	<u>L4</u>
<u>L3</u>	L2 and (categoriz\$3 or categoris\$3)	26	<u>L3</u>
<u>L2</u>	L1 and (question same sentence)	89	<u>L2</u>
<u>L1</u>	topic same question same answer	690	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L26 and (extract\$3 near (data or sentence) near similar\$5)	0

*4-1-05*  
**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**







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### Search History

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**DATE:** Friday, April 01, 2005 [Printable Copy](#) [Create Case](#)
**Set Name** **Query**

side by side

**Hit Count** **Set Name**

result set

<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L27</u>	L26 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L27</u>
<u>L26</u>	715/530-534.ccls.	2218	<u>L26</u>
<u>L25</u>	L24 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L25</u>
<u>L24</u>	L23 and L2	10	<u>L24</u>
<u>L23</u>	715/.ccls.	20969	<u>L23</u>
<u>L22</u>	L21 not L18	1	<u>L22</u>
<u>L21</u>	(L19 or L20) and (extract\$3 near (data or sentence) near similar\$5)	1	<u>L21</u>
<u>L20</u>	"question sentence"	336	<u>L20</u>
<u>L19</u>	"question sentence retrieval"	6	<u>L19</u>
<u>L18</u>	(L16 or L17) and L6	1	<u>L18</u>
<u>L17</u>	704/10.ccls.	321	<u>L17</u>
<u>L16</u>	704/9.ccls.	860	<u>L16</u>
<u>L15</u>	L14 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L15</u>
<u>L14</u>	L13 and retriev\$3	17	<u>L14</u>

<u>L13</u>	L10 and (question same sentence same similar\$5)	18	<u>L13</u>
<u>L12</u>	L10 and (question same sentence same similar\$)	18	<u>L12</u>
<u>L11</u>	L10 and (question near sentence)	2	<u>L11</u>
<u>L10</u>	(L8 or L9) and L1	140	<u>L10</u>
<u>L9</u>	704/\$.ccls.	18586	<u>L9</u>
<u>L8</u>	707/\$.ccls.	25933	<u>L8</u>
<u>L7</u>	L6 and (categoriz\$6 or categoris\$6)	2	<u>L7</u>
<u>L6</u>	L1 and (question near sentence)	10	<u>L6</u>
<u>L5</u>	L4 and retriev\$3	23	<u>L5</u>
<u>L4</u>	L2 and (categoriz\$6 or categoris\$6)	30	<u>L4</u>
<u>L3</u>	L2 and (categoriz\$3 or categoris\$3)	26	<u>L3</u>
<u>L2</u>	L1 and (question same sentence)	89	<u>L2</u>
<u>L1</u>	topic same question same answer	690	<u>L1</u>

END OF SEARCH HISTORY

# Refine Search

## Search Results -

Terms	Documents
L29 and (question near sentence)	0

**Database:**

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Search:**






## Search History

**DATE:** Friday, April 01, 2005 [Printable Copy](#) [Create Case](#)

**Set Name** Query

side by side

**Hit Count** Set Name

result set

<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<u>L30</u>	L29 and (question near sentence) 0 <u>L30</u>
<u>L29</u>	L28 and (degree near calculat\$4) 2 <u>L29</u>
<u>L28</u>	L1 and calculat\$4 284 <u>L28</u>
<u>L27</u>	L26 and (extract\$3 near (data or sentence) near similar\$5) 0 <u>L27</u>
<u>L26</u>	715/530-534.ccls. 2218 <u>L26</u>
<u>L25</u>	L24 and (extract\$3 near (data or sentence) near similar\$5) 0 <u>L25</u>
<u>L24</u>	L23 and L2 10 <u>L24</u>
<u>L23</u>	715/.ccls. 20969 <u>L23</u>
<u>L22</u>	L21 not L18 1 <u>L22</u>
<u>L21</u>	(L19 or L20) and (extract\$3 near (data or sentence) near similar\$5) 1 <u>L21</u>
<u>L20</u>	"question sentence" 336 <u>L20</u>
<u>L19</u>	"question sentence retrieval" 6 <u>L19</u>
<u>L18</u>	(L16 or L17) and L6 1 <u>L18</u>
<u>L17</u>	704/10.ccls. 321 <u>L17</u>

<u>L16</u>	704/9.ccls.	860	<u>L16</u>
<u>L15</u>	L14 and (extract\$3 near (data or sentence) near similar\$5)	0	<u>L15</u>
<u>L14</u>	L13 and retriev\$3	17	<u>L14</u>
<u>L13</u>	L10 and (question same sentence same similar\$5)	18	<u>L13</u>
<u>L12</u>	L10 and (question same sentence same similar\$)	18	<u>L12</u>
<u>L11</u>	L10 and (question near sentence)	2	<u>L11</u>
<u>L10</u>	(L8 or L9) and L1	140	<u>L10</u>
<u>L9</u>	704/\$.ccls.	18586	<u>L9</u>
<u>L8</u>	707/\$.ccls.	25933	<u>L8</u>
<u>L7</u>	L6 and (categoriz\$6 or categoris\$6)	2	<u>L7</u>
<u>L6</u>	L1 and (question near sentence)	10	<u>L6</u>
<u>L5</u>	L4 and retriev\$3	23	<u>L5</u>
<u>L4</u>	L2 and (categoriz\$6 or categoris\$6)	30	<u>L4</u>
<u>L3</u>	L2 and (categoriz\$3 or categoris\$3)	26	<u>L3</u>
<u>L2</u>	L1 and (question same sentence)	89	<u>L2</u>
<u>L1</u>	topic same question same answer	690	<u>L1</u>

END OF SEARCH HISTORY

# Refine Search

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## Search Results -

Terms	Documents
L8 and (question near sentence)	1

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US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Database:****Search:**







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## Search History

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**DATE:** Saturday, April 02, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L9</u>	L8 and (question near sentence)	1	<u>L9</u>
<u>L8</u>	(L5 or L6 or L7) and L3	8	<u>L8</u>
<u>L7</u>	704/10.ccls.	321	<u>L7</u>
<u>L6</u>	704/9.ccls.	860	<u>L6</u>
<u>L5</u>	704/7.ccls.	351	<u>L5</u>
<u>L4</u>	L3 and (question near sentence)	3	<u>L4</u>
<u>L3</u>	L1 and (extract\$3 same similar\$5)	61	<u>L3</u>
<u>L2</u>	L1 and (extract\$3 same similar\$)	61	<u>L2</u>
<u>L1</u>	topic same question same answer	690	<u>L1</u>

END OF SEARCH HISTORY



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"question sentence input" + "retrieval sentence" + similarity

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[sentence similarity calculating degree](#)  
[contribution corresponding word calculating difference](#)  
[ratio extracting data](#)

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Relevance scale

## 1 Correlating summarization of multi-source news with k-way graph bi-clustering

Ya Zhang, Chao-Hsien Chu, Xiang Ji, Hongyuan Zha

December 2004 **ACM SIGKDD Explorations Newsletter**, Volume 6 Issue 2

Full text available: [pdf\(166.54 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

With the emergence of enormous amount of online news, it is desirable to construct text mining methods that can extract, compare and highlight similarities of them. In this paper, we explore the research issue and methodology of correlated summarization for a pair of news articles. The algorithm aligns the (sub)topics of the two news articles and summarizes their correlation by sentence extraction. A pair of news articles are modelled with a weighted bipartite graph. A mutual reinforcement princ ...

**Keywords:** biclustering, bipartite graph, correlated summarization, news summarization

## 2 Data integration using similarity joins and a word-based information representation

language

William W. Cohen

July 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 3

Full text available: [pdf\(312.80 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The integration of distributed, heterogeneous databases, such as those available on the World Wide Web, poses many problems. Herer we consider the problem of integrating data from sources that lack common object identifiers. A solution to this problem is proposed for databases that contain informal, natural-language "names" for objects; most Web-based databases satisfy this requirement, since they usually present their information to the end-user through a veneer of text. We des ...

Results 1 - 2 of 2

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Terms used question sentence input retrieval  
sentence similarity calculating degree contribution

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Results 1 - 6 of 6

Relevance scale



### 1 Natural language processing: Sentence completion

Korinna Grabski, Tobias Scheffer

July 2004 **Proceedings of the 27th annual international conference on Research and development in information retrieval**

Full text available: [pdf\(181.97 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We discuss a retrieval model in which the task is to complete a sentence, given an initial fragment, and given an application specific document collection. This model is motivated by administrative and call center environments, in which users have to write documents with a certain repetitiveness. We formulate the problem setting and discuss appropriate performance metrics. We present an index-based retrieval algorithm and a cluster-based approach, and evaluate our algorithms using collections of ...

**Keywords:** applications, indexing methods, retrieval models



### 2 Content-based retrieval: VideoQA: question answering on news video

Hui Yang, Lekha Chaisorn, Yunlong Zhao, Shi-Yong Neo, Tat-Seng Chua

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available: [pdf\(592.26 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

When querying a news video archive, the users are interested in retrieving precise answers in the form of a summary that best answers the query. However, current video retrieval systems, including the search engines on the web, are designed to retrieve documents instead of precise answers. This research explores the use of question answering (QA) techniques to support personalized news video retrieval. Users interact with our system, VideoQA, using short natural language questions with implicit ...

**Keywords:** transcript error correction, video question answering, video retrieval, video summarization



### 3 Correlating summarization of multi-source news with k-way graph bi-clustering

Ya Zhang, Chao-Hsien Chu, Xiang Ji, Hongyuan Zha

December 2004 **ACM SIGKDD Explorations Newsletter**, Volume 6 Issue 2

Full text available: [pdf\(166.54 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

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### **1 Natural language processing: Sentence completion**

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November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available: [pdf\(592.26 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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**6 Posters: Evaluating retrieval performance for Japanese question answering: what are best passages?** □

Tetsuya Sakai, Tomoharu Kokubu  
July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Full text available:  pdf(31.58 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** passage retrieval, question answering

**7 Improving problem-oriented mailing list archives with MCS** □

Robert S. Brewer  
June 2000 **Proceedings of the 22nd international conference on Software engineering**

Full text available:  pdf(120.93 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Developers often use electronic mailing lists when seeking assistance with a particular software application. The archives of these mailing lists provide a rich repository of problem-

solving knowledge. Developers seeking a quick answer to a problem find these archives inconvenient, because they lack efficient searching mechanisms, and retain the structure of the original conversational threads which are rarely relevant to the knowledge seeker. We present a system called MCS which ...

**Keywords:** archives, collective memory, knowledge condensation, mailing lists

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